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PLAGUE-PREVENTION WORK.

CALIFORNIA.

The following report of plague prevention work in California for the week ended April 17, 1915, was received from Passed Asst. Surg. Hurley, of the United States Public Health Service, in temporary charge of the work:

San Francisco, Cal.

RAT PROOFING.		RAT PROOFING—continued.	
New buildings:		Old buildings—Continued.	
Inspections of work under construction.	330	Cubic feet new foundation walls installed	7,238
Basement floors concreted (15,800 square feet).....	22	Concrete floors installed (141,891 square feet).....	33
Floors concreted (3,050 square feet).....	4	Basements concreted (22,651 square feet)	29
Yards, passageways, etc. (4,855 square feet).....	43	Yards and passageways, etc., concreted (12,760 square feet).....	64
Total area concrete laid (square feet)....	23,705	Total area concrete laid (square feet)...	177,302
Class A, B, and C (fireproof) buildings:		Floors rat proofed with wire cloth (14,230 square feet).....	10
Inspections made.....	244	Buildings razed.....	16
Roof and basement ventilators, etc., screened.....	4,415	New garbage cans stamped approved...	786
Wire screening used (square feet).....	22,952	Nuisances abated.....	292
Openings around pipes, etc., closed with cement.....	11,132	OPERATIONS ON THE WATER FRONT.	
Sidewalk lens lights replaced.....	7,000	Vessels inspected for rat guards.....	18
Old buildings:		Reinspections made on vessels.....	13
Inspections made.....	588	New rat guards procured.....	15
Wooden floors removed.....	31	Defective rat guards repaired.....	2
Yards and passageways, planking removed.....	19	Vessels on which cargo was inspected.....	1

AMOUNT OF CARGO AND DESCRIPTION OF SAME.

	Condition.	Rat evidence.
Steamer Admiral Dewey, from Seattle:		
170 cases lard, milk, and household goods.....	O. K.....	None.
400 sacks flour, peanuts, and wheat.....	O. K.....	None.

Rats trapped on wharves and water front....	22	RATS COLLECTED AND EXAMINED FOR PLAGUE.	
Rats trapped on vessels.....	13	From city:	
Traps set on wharves and water front.....	179	Received.....	267
Traps set on vessels.....	49	Examined.....	247
Vessels trapped on.....	10	From ships:	
Poisons placed on water front (pieces).....	3,600	Received.....	30
Bait used on water front and vessels, bacon (pounds).....	6	Examined.....	30
Poisons placed within Panama-Pacific International Exposition grounds (pieces).....	7,200	Found infected.....	None.
Amount of bread used in poisoning water front (loaves).....	12	RATS IDENTIFIED.	
Pounds of poison used on water front.....	6	Mus norvegicus.....	89
Rats taken dead from steamer Gen. Y. Pesqueira after fumigation (<i>Mus alexandrinus</i>).....	73	Mus rattus.....	90
		Mus alexandrinus.....	50
		Mus musculus.....	38

Squirrels collected and examined for plague.

San Benito County.....	181
Contra Costa County.....	96
Merced County.....	67
Stanislaus County.....	51
santa Cruz County.....	25
Santa Clara County.....	25
Alameda County.....	44
Total.....	489
Found infected.....	0

Other animals collected and examined for plague.

Alameda County.....	2 rabbits.
Found infected.....	0

Ranches inspected and hunted over.

Alameda County.....	23	Merced County.....	11
Contra Costa County.....	22	Santa Clara County.....	12
San Benito County.....	39	Total.....	120
Santa Cruz County.....	6		
Stanislaus County.....	7		

Record of plague infection.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1903	Oct. 23, 1903	(1)	393 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1908	(1)	126 rats.
Berkeley.....	Aug. 28, 1907	(1)	(1)	None.
Los Angeles.....	Aug. 11, 1903	(1)	Aug. 21, 1903	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).....	Sept. 24, 1909	Oct. 17, 1909 ¹	Aug. 7, 1914	286 squirrels, 1 wood rat.
Contra Costa.....	May 17, 1914	(1)	Mar. 4, 1915	1,567 squirrels.
Fresno.....	(1)	(1)	Oct. 27, 1911	1 squirrel.
Merced.....	(1)	(1)	July 12, 1911	5 squirrels.
Monterey.....	(1)	(1)	Apr. 10, 1914	6 squirrels.
San Benito.....	June 4, 1913	(1)	Sept. 26, 1914	36 squirrels.
San Joaquin.....	Sept. 18, 1911	(1)	Aug. 26, 1911	18 squirrels.
San Luis Obispo.....	(1)	(1)	Jan. 29, 1910	1 squirrel.
Santa Clara.....	Aug. 31, 1910	(1)	July 23, 1913	25 squirrels.
Santa Cruz.....	(1)	(1)	May 17, 1910	3 squirrels.
Stanislaus.....	(1)	(1)	June 2, 1911	13 squirrels.

¹ None.² Wood rat.

Operations are being carried on under Federal supervision on the following-named properties, labor and material being furnished by the owners:

Name.	Location.	Acres treated.	Holes treated.
Tormey estates.....	Contra Costa County....	199	4,954
Rodeo Townsite Co.....do.....	20	1,750
Total.....		219	6,704

The work is being carried on in the following-named counties: Alameda, Contra Costa, San Francisco, Merced, San Joaquin, Santa Cruz, Stanislaus, San Benito, Santa Clara, and San Mateo.

WASHINGTON—SEATTLE—PLAGUE ERADICATION.

The following report of plague-eradication work at Seattle for the week ended April 10, 1915, was received from Surg. Lloyd, of the United States Public Health Service, in charge of the work:

RAT PROOFING.

New buildings inspected.....	50
Basements concreted, new buildings (35), square feet.....	17,475
Floors concreted, new buildings (19), square feet.....	26,280
Yards, etc., concreted, new structures (35), square feet.....	3,960
Sidewalks concreted.....square feet..	18,760
Total concrete laid, new structures, square feet.....	66,475

New buildings elevated.....	9
New premises rat proofed, concrete.....	35
Buildings razed.....	2

LABORATORY AND RODENT OPERATIONS.

Dead rodents received.....	16
Rodents trapped and killed.....	369
Rodents recovered after fumigation.....	8

Total..... 393

Rodents examined for plague infection.....	288
Rodents proven plague infected.....	0
Poison distributed.....pounds..	24
Bodies examined for plague infection.....	2
Bodies found plague infected.....	0

CLASSIFICATION OF RODENTS.

Mus rattus.....	17
Mus alexandrinus.....	58
Mus norvegicus.....	237
Mus musculus.....	81
Total.....	393

WATER FRONT.

Vessels inspected and histories recorded....	10
Vessels fumigated.....	4
Sulphur used.....pounds..	2,225
New rat guards installed.....	9
Defective rat guards repaired.....	7
Fumigation certificates issued.....	4
Canal Zone certificates issued.....	1
Port sanitary statements issued.....	37
The usual day and night patrol was maintained to enforce rat guarding and fending.	

MISCELLANEOUS WORK.

Lectures delivered on sanitary subjects.....	1
Rat-proofing notices sent to contractors.....	19
Fishing vessels inspected and medicine chests installed.....	25
Water analyses for the Indian Service.....	2

RODENTS EXAMINED IN EVERETT.

Mus norvegicus trapped.....	44
Mus norvegicus found dead.....	6
Mus musculus trapped.....	2
Total.....	52

Rodents examined for plague infection.....	51
Rodents found plague infected.....	0

RAT PROOFING OPERATIONS IN EVERETT.

New buildings inspected.....	3
New buildings rat proofed by concrete foundations.....	2
New buildings rat proofed by elevation.....	1

HAWAII—HONOLULU—PLAGUE PREVENTION.

The following report of plague-prevention work at Honolulu for the week ended April 10, 1915, was received from Surg. Trotter, of the United States Public Health Service:

Honolulu.

Total rats and mongoose taken.....	441	Average number of traps set daily.....	1,085
Rats trapped.....	435	Cost per rat destroyed.....cents..	19½
Mongoose trapped.....	6	Last case rat plague, Aiea, 9 miles from Honolulu, Apr. 12, 1910.	
Examined microscopically.....	366	Last case human plague, Honolulu, July 12, 1910.	
Showing plague infection.....	0	Last case rat plague, Kalopa stable, Paauhau, Hawaii, Aug. 29, 1914.	
Classification of rats trapped:		Last case human plague, Paauhau Landing, Hawaii, Aug. 17, 1914.	
Mus alexandrinus.....	231		
Mus musculus.....	102		
Mus norvegicus.....	81		
Mus rattus.....	21		